

**Commonwealth of Kentucky
Energy and Environment Cabinet
Department for Environmental Protection
Division for Air Quality
200 Fair Oaks Lane, 1st Floor
Frankfort, Kentucky 40601
(502) 564-3999**

**AIR QUALITY PERMIT
Issued under 401 KAR 52:040**

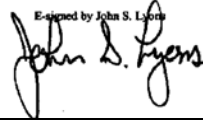
Permittee Name: MultiServ Plant #51
Mailing Address: PO Box 822
Warsaw, KY 41095

Source Name: MultiServ Plant #51
Mailing Address: RR #1 US 42
Ghent, KY 41045

Permit ID: S-06-238 Revision 1
Agency Interest #: 38129
Activity ID: APE20080001
Review Type: Minor Source
Source ID: 21-077-00020

Regional Office: Florence Regional Office
8020 Veterans Memorial Drive, Suite 110
Florence, KY 41042
(859) 525-4923
County: Gallatin

Application
Complete Date: October 15, 2008
Issuance Date: October 26, 2006
Revision Date: November 3, 2008
Expiration Date: October 27, 2016

E-signed by John S. Lyons


**John S. Lyons, Director
Division for Air Quality**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

	<u>Process</u>	<u>Control Device</u>	<u>Construction Date</u>
01	(01) Batch feed	Wet Suppressant	April 3, 1995
02	(02) Grizzly	Wet Suppressant	April 3, 1995
03	(03) Grizzly to stock	Wet Suppressant	April 3, 1995
04	(04) Grizzly to conveyor	Wet Suppressant	April 3, 1995
05	(05) Conveyor to conveyor	Wet Suppressant	April 3, 1995
06	(06) Conveyor to feeder	Wet Suppressant	April 3, 1995
07	(07) Feeder to feeder	Wet Suppressant	April 3, 1995
08	(08) Feeder to conveyor	Wet Suppressant	April 3, 1995
09	(09) Conveyor to screen	Wet Suppressant	April 3, 1995
10	(10) Screen	Wet Suppressant	April 3, 1995
11	(11) Screen to conveyor	Wet Suppressant	April 3, 1995
12	(12) Conveyor to conveyor	Wet Suppressant	April 3, 1995
13	(13) Conveyor to screen	Wet Suppressant	April 3, 1995
14	(14) Screen	Wet Suppressant	April 3, 1995
15	(15) Screen to conveyor	Wet Suppressant	April 3, 1995
16	(16) Conveyor to stock	Wet Suppressant	April 3, 1995
17	(17) Screen to conveyor	Wet Suppressant	April 3, 1995
18	(18) Conveyor to stock	Wet Suppressant	April 3, 1995
19	(19) Screen to conveyor	Wet Suppressant	April 3, 1995
20	(20) Conveyor to stock	Wet Suppressant	April 3, 1995
21	(21) Screen to conveyor	Wet Suppressant	April 3, 1995
22	(22) Conveyor to stock	Wet Suppressant	April 3, 1995
23	(23) Screen to conveyor	Wet Suppressant	April 3, 1995
24	(24) Conveyor to conveyor	Wet Suppressant	April 3, 1995
25	(25) Magnet to stock	Wet Suppressant	April 3, 1995
26	(26) Conveyor to crusher	Wet Suppressant	April 3, 1995
27	(27) Crusher	Wet Suppressant	April 3, 1995
28	(28) Crusher to conveyor	Wet Suppressant	April 3, 1995
29	(29) Conveyor to conveyor	Wet Suppressant	April 3, 1995
30	(30) Feeder to feeder	Wet Suppressant	April 3, 1995
31	(31) Feeder to conveyor	Wet Suppressant	April 3, 1995
32	(32) Conveyor to screen	Wet Suppressant	April 3, 1995
33	(33) Screen	Wet Suppressant	April 3, 1995
34	(34) Screen to conveyor	Wet Suppressant	April 3, 1995
35	(35) Conveyor to conveyor	Wet Suppressant	April 3, 1995
36	(36) Conveyor to stock	Wet Suppressant	April 3, 1995
37	(37) Screen to conveyor	Wet Suppressant	April 3, 1995
38	(38) Conveyor to stock	Wet Suppressant	April 3, 1995
39	(39) Screen to conveyor	Wet Suppressant	April 3, 1995
40	(40) Conveyor to stock	Wet Suppressant	April 3, 1995
41	(41) Conveyor to stock	Wet Suppressant	April 3, 1995
42	(42) Conveyor to stock	Wet Suppressant	April 3, 1995

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

	<u>Process</u>	<u>Control Device</u>	<u>Construction Date</u>
43	(43) Unpaved road emissions	Water Truck /Sprinklers	April 3, 1995
44	(44) Unprocessed/processed piles [44(1)] Loading unprocessed slag into piles [44(2)] Wind erosion from standing unprocessed slag piles [44(3)] Loading unprocessed slag into plant [44(4)] Loading processed slag into piles [44(5)] Wind erosion from standing processed slag piles [44(6)] Loading processed slag into trucks for shipment	Wet Suppressant	April 3, 1995
45	(45) Tundish burning	None	April 3, 1995
46	(46) Hot slag pot dumping	Building Enclosure	April 3, 1995
47	(47) Drop ball slag crushing	Sprinklers	April 3, 1995
48	(48) Drop ball slag crushing	Sprinklers	August, 2004
49	(49) Portable mineral crusher [49(1)] Diesel Engine [49(2)] Truck unloading [49(3)] Loading to grizzly feeder [49(4)] Grizzly screening [49(5)] M series jaw crusher [49(6)] Crusher to discharge conveyor [49(7)] Conveyor to discharge piles	None Wet Suppressant Wet Suppressant Wet Suppressant Wet Suppressant Wet Suppressant Wet Suppressant	August, 2006
50	(50) Caterpillar D100-4 Diesel Generator	None	November, 2006
51	(51) Reed Model #RD 150A [51(01)] Diesel Engine [51(02)] Loading to screen [51(03)] Screen	None	August, 2008

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- 52 (52) **Turbo Chieftain 1800 Portable
Screen**
[52(01)] **Diesel Engine**
[52(02)] **Feeder**
[52(03)] **Feeder to conveyor**
[52(04)] **Conveyor to screen**
[52(05)] **Screen**
[52(06)] **Screen to conveyor**
[52(07)] **Conveyor to stock**
[52(08)] **Screen to conveyor**
[52(09)] **Conveyor to stock**
[52(10)] **Screen to conveyor**
[52(11)] **Conveyor to stock**

Description: The slag processing operation begins with the slag being loaded into the batch feeder. The slag is transferred to the grizzly where is separated either to a stockpile or conveyed to a series of screen and two crushers. The screens size the slag and the crusher reduces the size of the larger pieces of slag which are then retuned to the screens. Wet suppressant is considered integral process for EP 01 to EP42.

APPLICABLE REGULATIONS:

401 KAR 63:010, Fugitive emissions, applies to each of the affected facilities listed above.

1. Operating Limitations:

N/A

2. Emission Limitations:

- a. The materials processed at each affected facility listed above shall be controlled with wet suppression, enclosures, and/or dust collection equipment so as to comply with the requirements specified in Regulation 401 KAR 63:010, Fugitive emissions, Section 3. Standards for fugitive emissions.
- b. Pursuant to Regulation 401 KAR 63:010, Section 3 (1), no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored; a building or its appurtenances to be constructed, altered, repaired, or demolished, or a road to be used without taking reasonable precaution to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, the following:
 - 1) Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land; Application and maintenance of asphalt, oil, water, or suitable chemicals on roads, materials stockpiles, and other surfaces which can create airborne dusts;

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- 2) Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling.
 - 3) Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
 - 5) The maintenance of paved roadways in a clean condition;
 - 6) The prompt removal of earth or other material from a paved street which earth or other material has been transported thereto by trucking or earth moving equipment or erosion by water.
- c. Pursuant to Regulation 401 KAR 63:010, Section 3 (2), no person shall cause or permit the discharge of visible fugitive dust emissions beyond the lot line of the property on which the emissions originate.
- d. Pursuant to Regulation 401 KAR 63:010, Section 3 (3), when dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof escape from a building or equipment in such a manner and amount as to cause a nuisance or to violate any administrative regulation, the Secretary may order that the building or equipment in which processing, handling and storage are done be tightly closed and ventilated in such a way that all air and gases and air or air-borne material leaving the building or equipment are treated by removal or destruction of air contaminants before discharge to the open air.
- e. Pursuant to Regulation 401 KAR 63:010, Section 4, Additional Requirements, in addition to the requirements of Section 3 of this regulation, the following shall apply:
- 1) Pursuant to Regulation 401 KAR 63:010, Section 4 (1), open bodied trucks, operating outside company property, transporting materials likely to become airborne shall be covered at all times when in motion.
 - 2) Pursuant to Regulation 401 KAR 63:010, Section 4 (4), no one shall allow earth or other material being transported by truck or earth moving equipment to be deposited onto a paved street or roadway.

Compliance Demonstration Method:

The Permittee shall maintain a log of daily work practices and monitoring completed as required by this permit. This log shall be maintained on-site in a form suitable for inspection. This log shall contain information on all controls (water and non-water application which includes but not limited to sweeping and debris collection etc.) applied to the affected units listed above.

3. Testing Requirements:

None

4. Monitoring Requirements:

- a. The material processed and hours of operation shall be monitored on a daily basis for the emission units list above.
- b. On a operating daily basis, the Permittee shall inspect the above listed emission units for potential fugitive emissions. If there is a potential for fugitive emissions then reasonable precautions listed above shall be taken.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Recordkeeping Requirements:

- a. Records of the material processed and hours of operation shall be maintained on a daily basis for the emission units list above.
- b. The Permittee shall maintain a log of daily work practices and monitoring completed as required by this permit. This log shall be maintained on-site in a form suitable for inspection. This log shall contain information on all controls (water and non-water application which includes but not limited to sweeping and debris collection etc.) applied to the affected units listed above.
- c. Records shall be maintained for period of five (5) years.

6. Reporting Requirements:

See Section C(C).

7. Specific Control Equipment Operating Conditions:

- a. The control equipment (conveyor, truck dump, crusher enclosures and stockpile & haul road wet suppression) shall be operated and maintained as necessary to maintain compliance with applicable requirements, in accordance with the manufacturer's specifications and/or standard operating procedures.
- b. Records regarding the maintenance and operation of the control equipment shall be maintained and made available upon request for inspection by any duly authorized representative of the Division for Air Quality.

SECTION C - GENERAL CONDITIONS

A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
3. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Material incorporated by reference by 401 KAR 52:040, Section 1a, 11].
4. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4,5].
5. This permit does not convey property rights or exclusive privileges [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040 Section 11(3)].
7. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20.

SECTION C - GENERAL CONDITIONS (CONTINUED)

B. Recordkeeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040 Section 3(1)(f)].
2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

C. Reporting Requirements

1.
 - a. In accordance with the provisions of 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
 - b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1. a. above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report [Material incorporated by reference by 401 KAR 52:040, Section 5, 3].
2. The permittee shall furnish information requested by the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the permit [Material incorporated by reference by 401 KAR 52:040, Section 1a, 6].
3. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

SECTION C - GENERAL CONDITIONS (CONTINUED)

D. Inspections

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation.
 - b. To access and copy any records required by the permit.
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit.
 - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

E. Emergencies/Enforcement Provisions

1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Material incorporated by reference by 401 KAR 52:040, Section 1a, 3].
2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(1)].
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:040, Section 22(2)].

SECTION C - GENERAL CONDITIONS (CONTINUED)**F. Compliance**

1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
 - a. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
 - b. All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and nonroutine maintenance performed on each control device.
 - c. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division [401 KAR 50:055, Section 2].
2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period, and
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
 - f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality Florence Regional Office 8020 Veterans Memorial Drive, Suite 110 Florence, KY 41042	Division for Air Quality Central Files 200 Fair Oaks Lane, 1 st Floor Frankfort, KY 40601-1403
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3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
 - (a) Applicable requirements that are included and specifically identified in this permit; or
 - (b) Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11].

SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee shall comply with the applicable regulation and any level of periodic monitoring specified below.

Description

Generally Applicable Regulation

None